

1. A method for operating a CAN communication line whilst detecting a ground level shift on said communication line, through storing a data element indicative for such shift,

characterized by comparing a current line voltage level to a standard level, and feeding a thresholded version of the comparison to a storage element that is triggered by a local transmission indicator signal for then outputting a ground shift sample bit from said storage element.

2. A method as claimed in Claim 1, wherein the storage element has its output retrocoupled to its input through a reception indicator signal.

3. A method as claimed in Claim 2, wherein said retrocoupling is through a multiplexer that whilst non-retrocoupling feeds said transmission indicator signal.

4. A method as claimed in Claim 1, wherein said storage element is edge-triggered.

5. A method as claimed in Claim 1, for use in a bus organization that has multiple transmission stations connected thereto.
6. A station arranged for implementing a method as claimed in Claim 1 for operating a CAN communication line and comprising ground level shift detecting means fed by said communication line, that feeds a data element for storing an indication for such shift, characterized by comprising comparing means for comparing a current line voltage level to a standard level, and feed means for feeding a thresholded output of the comparison to a storage element that has a trigger control input fed by a local transmission indicator signal and output means for then outputting a ground shift sample bit from said storage element.
7. A station-and-line system comprising a station as claimed in Claim 6.
8. (Amended) A multi-station system arranged for implementing a method as claimed in Claim 1 and having a plurality of stations as claimed in Claim 6.